



# VP2000 Multi-Gas Analyser



The VP2000 is a very accurate process gas analyser that can be configured to suit the User's application.

The system can measure up to four gases utilising GFC (Gas Filter Correlation) NDIR, Paramagnetic, Electrochemical and Zirconia technologies.

### Main Features

- Digital LCD Display
- 1-4 gas channels
- Manual/Auto Calibration Function
- 4-20mA - 1 per channel
- 19" Rack or Bench Mount
- 4 Relays per Analyser
- RS232 output
- Optional Data-Logging and MODBUS RTU (RS485)

## Gases & Technology Type Sensor Technology - Various Ranges Available

Gas	GFC (ppm or %)	NDIR (%)	Paramagnetic (%)	Electrochem. (ppm or%)	Zirconia (ppm or %)	Ceramic (mg/m3)
O <sub>2</sub>			Yes	Yes	Yes	
CO <sub>2</sub>	Yes	Yes				
CO	Yes	Yes		Yes		
CH <sub>4</sub>	Yes	Yes				
NO	Yes	Yes				
N <sub>2</sub> O	Yes	Yes				
Moisture						Yes

nb: If a particular gas is not on the list, just give Nebula a call on +44(0)7521-706762

## Other Technical Specifications

Criteria	Specification
Operating Temperature Range:	5°C to 70 °C
Operating Pressure Range:	0.2barG (3psi)
Ambient Humidity:	0 to 95% RH, non-condensing
System Warm-up Time:	30-60 minutes (dependent upon gas)
Power Requirements:	90-240V AC, 50/60Hz
Outputs:	4-20mA, RS232, relays and MODBUS RTU
Response Time (T90):	<2.5 seconds at flow rate of 1000ml per minute
IP Rating:	IP20
Intrinsic Accuracy:	0.1% of scale each gas

### Important Application Areas

- Industrial Gas
- Manufacturing
- Medical Gas Analysis
- Biogas
- Modified Atmosphere Packaging
- Emissions Monitoring
- Heat Treatment
- Process & Safety monitoring
- Combustion

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